## WHAT IS CLAIMED IS:

- 1. A lithographic projection apparatus, comprising:
- a radiation system configured to form a projection beam of radiation from radiation emitted by a radiation source;
- a support configured to hold a patterning device which is to be irradiated by the projection beam to pattern the projection beam;
  - a substrate table configured to hold a substrate;
- a projection system configured to image an irradiated portion of the patterning device onto a target portion of the substrate; and
- a channel barrier near the source configured to prevent material emanating from the source from propagating along an optical axis, the channel barrier comprising a center and a number of elongated channel members each having a width direction transverse to the optical axis and a length direction extending generally in the direction of the optical axis, wherein the channel barrier is rotatable around the optical axis, the lithographic projection apparatus further comprising a drive connected to the channel barrier configured to rotate the channel barrier around the optical axis.
- 2. A lithographic projection apparatus according to claim 1, wherein the center of the channel is placed on the optical axis.
- 3. A lithographic projection apparatus according to claim 1, wherein the channel members are focused on the radiation source.
- 4. A lithographic projection apparatus according to claim 1, wherein the channel members are plate-shaped.
- 5. A lithographic projection apparatus according to claim 1, wherein the channel members located close to the optical axis form a honeycomb structure in a plane perpendicular to the optical axis and extend parallel or substantially parallel to the optical axis.
- 6. A lithographic projection apparatus according to claim 1, wherein the drive is adapted to rotate the channel barrier at a speed of between 1 and 50 rotations per second.
- 7. A lithographic projection apparatus to according claim 1, wherein the drive is adapted to rotate the channel barrier at a speed of between 1 and 10 rotations per second.
- 8. A lithographic projection apparatus according to claim 1, further comprising a supplementary channel barrier mounted near the channel barrier.

- 9. A lithographic projection apparatus according to claim 8, wherein the supplementary channel barrier is mounted substantially coaxial with respect to the channel barrier.
- 10. A lithographic projection apparatus according to claim 8, wherein the supplementary channel barrier is rotatably mounted with respect to the optical axis.
- 11. A lithographic projection apparatus according to claim 10, wherein the supplementary channel barrier has a direction of rotation opposite to the direction of rotation of the channel.
- 12. A lithographic projection apparatus according to claim 10, wherein the supplementary channel barrier has substantially the same direction of rotation as the direction of rotation of the channel, and has a rotational velocity different from the rotational velocity of the channel.
- 13. A lithographic projection apparatus according to claim 8, wherein the supplementary channel barrier is non-rotationally mounted.
- 14. A channel barrier for use in a lithographic projection apparatus, the channel barrier comprising:

a plurality of elongated channel members each having a width direction transverse to an optical axis and a length direction extending generally in the direction of the optical axis, wherein the channel barrier is configured to be rotatable around the optical axis, the channel barrier further comprising a drive connected to the channel barrier configured to rotate the channel barrier around the optical axis.

15. A method of manufacturing an integrated structure by a lithographic process, the method comprising:

providing a radiation system configured to form a projection beam of radiation from radiation emitted by a radiation source;

pattering the projection beam;

projecting the patterned projection beam onto a target portion of a substrate at least partially covered with a radiation sensitive material;

providing a channel barrier near the source to prevent material emanating from the source from propagating along an optical axis, the channel barrier comprising a center and a number of elongated channel members each having a width direction transverse to the optical axis and a length direction extending generally in the direction of the optical axis; and

rotating the channel barrier around the optical axis.